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I. Amendments to the Claims

a current monitor connected with the plurality of light emitting diodes that measures an amount of current flowing from the plurality of light emitting diodes and generates a current flow signal; and

a voltage converter that supplies a current to the plurality of light emitting diodes as a function of the current flow signal and a commanded current signal, the voltage converter being in electrical communication with the plurality of parallel elements to automatically increase a voltage across a parallel element of the plurality of parallel elements based on the current flow signal, thereby causing the current to flow through the parallel element and around a light emitting diode of the plurality of light emitting diodes upon an open circuit failure of the light emitting diode.

- (Original) The device of claim 1, wherein the commanded current signal comprises a direct current signal.
- 3. (Original) The device of claim 1, wherein the commanded current signal comprises a pulse width modulated signal.
- (Original) The device of clalm 3, wherein the commanded current signal is generated by a microprocessor.
- 5. (Original) The device of claim 1, wherein the plurality of parallel elements comprises a plurality of zener diodes.

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- 6. (Original) The device of claim 1, wherein a parallel element is connected in parallel with a light emitting diode.
- (Original) The device of claim 1, wherein a parallel element is connected in parallel with multiple light emitting diodes.
- 8. (Original) The device of claim 1, further comprising:
 a temperature sensor that measures a temperature associated with
 at least one of the plurality of light emitting diodes and generates a temperature
 signal.
- 9. (Original) The device of claim 8, further comprising: a temperature derating circuit that reduces the current to the plurality of light emitting diodes the temperature signal exceeds a temperature threshold.
- 10. (Original) The device of claim 9, wherein the temperature derating circuit adjusts the commanded current signal such that the voltage converter supplies less current to the plurality of light emitting diodes.
- 11. (Original) The device of claim 9, wherein the temperature sensor measures a solder temperature near a light emitting diode.
- 12. (Currently Amended) The device of claim 11, wherein the temperature sensor comprises adtemperature a temperature dependant resistor.
- 13. (Original) The device of claim 12, wherein a terminal of the temperature dependant resistor and a cathode terminal of a light emitting diodes are thermally interconnected.

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- 14. (Original) The device of claim 9, wherein the temperature derating circuit comprises a microprocessor.
- 15. (Original) The device of claim 14, wherein the temperature derating circuit provides a signal to the voltage converter as a function of a measured temperature and a temperature correction factor table.
 - 16. (Original) The device of claim 8, further comprising:
- a temperature compensation circuit that adjusts the current to the plurality of light emitting diodes as a function of the measured temperature.
- 17. (Original) The device of claim 16, the temperature compensation circuit adjusts the current to the plurality of light emitting diodes such that the plurality of light emitting diodes have a substantially consistent luminous intensity when the measured temperature increases.
 - 18. Cancelled.
 - 19. Cancelled.
 - 20. Cancelled.
- 21. (Previously Presented) A display unit adapted for an automotive application, comprising:
 - a liquid crystal display and;
- a backlighting array comprising a plurality of light emitting diodes in a series configuration and a plurality of parallel elements connected in parallel with the light emitting diodes, a voltage converter being in electrical communication with the plurality of parallel elements to automatically increase the voltage across a parallel element of the plurality of parallel elements causing



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the current to flow around a light emitting diode of the plurality of light emitting diodes upon an open circuit failure of the light emitting diode.

- 22. (Original) The display unit of claim 21, further comprising:
 a temperature derating circuit electrically connected with the backlighting array, wherein the temperature derating circuit measures a light emitting diode temperature and reduces a current supplied to the backlighting array if the light emitting diode temperature exceeds a threshold.
- 23. (Original) The display unit of claim 22, further comprising:
 a temperature compensation circuit electrically connected with the backlighting array, wherein the temperature compensation circuit measures a light emitting diode temperature and adjusts the current supplied to the backlighting array as a function of the light emitting diode temperature such that the plurality of light emitting diodes have a substantially consistent luminous intensity when the light emitting diode temperature increases.
- 24. (Original) The display unit of claim 23, further comprising:

 a microprocessor-based light emitting diode controller that provides
 a pulse width modulated signal that controls the intensity of the light emitting
 diode array.
- 25. (Currently Amended) A method of controlling a series light emitting diode array, comprising:

providing the light emitting diode array for backlighting a display:

monitoring a temperature of the light emitting diode array at a node connected with a light emitting diode; and

adjusting an input current to the light emitting diode array as a function of the temperature;

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automatically increasing a voltage across a parallel element of the plurality of parallel elements causing the current to flow around a light emitting diode of the plurality of light emitting diodes upon an open circuit fallure of the light emitting diode.

- 26. (Previously Presented) The method of claim 25, further comprising: monitoring a current from the light emitting diode array; and adjusting the input voltage as a function of the current.
- 27. Cancelled.